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**IM 204 SUPPLEMENTAL GUIDE  
BASIS OF ACCEPTANCE****TEST REPORT**

The Office of Materials has the responsibility to sample and/or inspect the material for compliance. They will issue a test report after the necessary testing and/or inspection. The inspector must have this report before the material is incorporated into the project. The report number and amount approved must be recorded in accordance with the Office of Construction documentation procedures.

**CERTIFICATION OF COMPLIANCE**

Material to be incorporated into the project must be tested and approved. Testing and approval may include test report, certification, or visual approval. The certification comes in a variety of forms, stamped or preprinted on truck tickets as with aggregates; stamped or preprinted on invoices as with Portland Cement and asphalt cement; stamped or printed on the mill analysis as with reinforcing steel, structural steel, and other metals; furnished as a separate document with each shipment as with zinc-silicate paint, engineering fabrics, epoxy coatings, and dowel baskets; stamped or printed on a list of materials for each shipment as with CMP, concrete pipe, clay tile, and corrugated plastic subdrain; in the form of a guaranteed analysis as with seed labels. The inspector shall verify that the certification has been received by documenting it in the project materials book. Certifications shall be Type A, Type C, Type D or other type as required by the engineer for specific products. A copy of the test report or certification verifying compliance with the applicable specifications will accompany all materials supplied to a project by a jobber unless acceptance is by brand name or approved source. Examples of typical certifications are attached.

These types of certification shall be used by project personnel for acceptance and incorporation of materials into the projects. However, other types of certification from approved manufacturers or producers, as required by appropriate Instructional Memorandums, may also be furnished to the District Materials or Central Materials Offices to ensure compliance with Quality Control testing required for an approved source.

**TYPE A**

The manufacturer or producer shall prepare a Type A certification. It shall consist of a certified copy of a laboratory report, which lists results of specified tests and shall certify that the materials furnished comply with the specifications. The tests may be conducted in the laboratory of the manufacturer or in another qualified laboratory. Such tests shall have been conducted on samples obtained from the lot or lots of material identifiable in the shipment.

**Examples:** Steel H-piles  
Structural steel materials  
Reinforcing steel  
ASTM A36, anchor bolts  
Seven-wire strand for prestressed concrete  
Seeds

### **TYPE C**

A Type C certification shall be prepared by the manufacturer or producer and shall certify that the materials furnished are in accordance with the specifications. The applicable specification or Materials IM shall be referred to in the certification.

**Examples:**    Structural plate pipe  
                      Latex emulsion  
                      Packaged PC premix  
                      Clay tile

### **TYPE D**

A Type D certification shall be in the form of a letter or statement of compliance from the approved manufacturer. The letter or statement of compliance shall state that the materials furnished comply with the applicable specifications of Iowa Department of Transportation.

**Examples:**    PE tubing  
                      Cement  
                      Fly Ash  
                      Paint  
                      CMP  
                      Asphalt Cement  
                      Aggregate  
                      Plastic pipe (PVC, PE, ABS)

### **APPROVED BRAND**

The material must be evaluated and approved by the Office of Materials according to the appropriate Office of Materials IM in order to be used on a project. Once a letter of approval is issued, the material is approved for use on projects. Approved source lists of materials are issued periodically for general information only. Approval for a material may be rescinded at any time if it no longer meets the requirements of the IM.

The project inspector shall document information about this material such as product name, source, date, producer, and lot number, in the project materials book.

Certification of compliance is not needed when material is accepted by approved brand.

### **APPROVED SHOP DRAWING & APPROVED CATALOG CUT**

This information must be submitted to, and reviewed by the Iowa DOT Central Design Offices before the material can be incorporated in the project.

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### **TEST REPORT BY AN APPROVED INSPECTION AGENCY**

All treated and untreated timber products, including posts, piling, and lumber, must be tested by an approved inspection agency. A certified report will show the results of the tests. If the supplier is furnishing material from stored stock, a certification statement shall be included with each shipment stating that the material has been inspected by an approved agency.

### **AS PER PLAN & ENGINEER, VISUAL APPROVAL BY PROJECT ENGINEER, APPROVED BY RCE, & MANUFACTURER RECOMMENDATIONS**

The inspector must document information about this material such as product name, source, producer, lot number, date produced in the project materials book. The inspector shall make sure the material meets the requirements of the plans, the engineer, or the manufacturer before the material is used. Visual approval requires construction personnel to visually inspect the material to determine if it generally complies with the specifications. Visual approval is appropriate for non-critical items such as mulch or sod stakes, where general compliance can be readily determined by visual means. If there are questions on specification compliance, samples will be taken for testing.

### **APPROVED SOURCE**

Material furnished must be from a manufacturer or distributor evaluated and approved by the Office of Materials according to the appropriate Office of Materials IM to be used on a project. Once a letter of approval is issued, the material is approved for use on projects. Approved source lists of materials are issued periodically for general information only. Approval for a material may be rescinded at any time if it no longer meets the requirements of the IM.

The project inspector shall document pertinent information such as product name, source, date of production, distributor, etc, in the project materials book.

### **LOT ACCEPTANCE**

Material furnished on a lot accepted basis must be from an approved brand and lot on a list maintained and provided by Central Materials. Materials on the list have been sampled, tested, and determined to comply with applicable specifications and IM's. If a product from a lot is not listed, it must be sampled and tested prior to incorporation in the project. If the sample complies with specifications, it will be added to the list of accepted lots and may be used on the project.

### **FABRICATION REPORT**

The project inspector must have a copy of the final fabrication report prior to incorporating the component into the project. Contents of the report will vary depending on the requirements of the appropriate Materials IM for the component being fabrication. Final acceptance is by construction personnel at the project site, and is based on proper documentation and the condition of the component.

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Other Details
Abrasives for Blast Cleaning	482.03				Approved Brand			Note brand in field book
Admixture – Air Entraining	403	4103	1 Pt/Lot	DME or RCE	Approved Brand/Lot Monitor		M-Project	Contact District Materials
Admixture – Corrosion Inhibitor	402	4103	1 Pt/Lot	DME or RCE	Approved Brand/Lot Monitor		M-Project	Contact District Materials
Admixture – Latex Emulsion		2413.02b			Certification	C		
Admixture – Retarder	403	4103	1 Pt/Lot	DME or RCE	Approved Brand/Lot Monitor		M-Project	Contact District Materials
Admixture – Water Reducer	403	4103	1 Pt/Lot	DME or RCE	Approved Brand/Lot Monitor		M-Project	Contact District Materials
Aggregates – Non-Proportioned	209	4110 to 4133			Approved Source/Certified Truck Tickets, (Form 821278)	D	M-Source	Certified Ticket for pay items by weight
Aggregates – Proportioned	209 & 204	4110 to 4133	IM 301	CONTR/ RCE/ DME	Approved Source/Certified Truck Tickets, (Form 821278)	D	M-Source V-Project C-Project	
Aluminum, Structural		4190.01			Approved Shop Drawing and Fabrication Report			
Anchor Bolts	453.08	2522.04d 4185.02a 4187.01c	1 Bolt, Nut & Washer per Size per Proj.	DME	Approved Source/Test Report/Steel Mill Certifications	A		
Anchors, Concrete	453.09				Approved Brand			
Anti-Strip Agent	491.16				Approved Brand			
Arrow Panels, Solar Assisted	486.12	2528.06			Approved Brand			
Asphalt Binder	437	4137	1 3 oz. Tin	CONTR/ DME	Approved Source/Certification/Test Report	D	M-Source V-Project	
Asphalt, Cutback	437	4138	1 Qt Tin	RCE	Approved Source/Certification/Test Report	D	M-Source	Verification for Seal Coat

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Asphalt, Emulsified	437	4140	1 Qt Bottle	RCE	Approved Source/Certification/Test Report	D	M-Source	Verification for Seal Coat
Asphalt, Polymer Modified	437		1 Gallon	DME	Test Report (Approved Batch)			
Backer Rod for Cold Pour Joint Seal	436.04	4136.02c			Approved Brand			
Backer Rod for Hot Pour Joint Seal	436.04	4136.02c			Approved Brand			
Barrier Rail, Precast Concrete	571	2513			Source Approval/DOT Stamp/Fabrication Report		M-Source	
Beads, Glass	484	4184	1 Qt	DME	Approved Source		M-Subcontr.	
Bearing, Bronze		4190.03	1/Project	DME	Test Report			
Bearing, Lead		4195.01			Certification	D		
Bearing, Neoprene	495.03	4195.02	1 Pad	DME	Fabrication Report/Approved Source		M-Fabricator	
Bentonite Clay					Visual Approval by RCE			
Bolts, Nuts & Washers, Structural	453.06b	4153.06	Per IM 453.06	DME	Certification/Rotational Capacity Test/ Test Report	A		
Calcium Chloride Solution	373	4194.01	4 lbs or 1 Qt	RCE	Test by RCE			
Caulking Compound		4192			Visual Approval by RCE			
Concrete, Special Sections	445	4145 4149.02b			Approved Source /Certification	D	M-Source	
Concrete, Pre-Stressed, Precast Units	570	2407			Approved Source /Iowa DOT Stamp/Fabrication Report		M-Source	
Concrete Sealer	491.12a 491.12b	4139			Approved Brand			
Conduit – See Lighting Material								

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Curing Materials – Burlap		4104			Visual Approval by RCE			
Curing Materials – Clear	405.07	4105.07			Approved Brand			
Curing Materials – Dark Colored	437	4105.06			Approved Source		M-Source	
Curing Materials - Plastic Film		4106.02			Visual Approval by RCE			
Curing Materials – White Pigmented	405	4105.05	1 Qt/Lot	DME	Lot Accept			
Delineators – See Signing Materials								
Dowel – See Steel Reinforcement								
Drains, Floor		2406.05			Approved Shop Drawing and Fabrication Report			
Drums, Channelizing	488.02	4188.02			Approved Brand			
Epoxy-Coated Steel – See Steel Reinforcement								
Epoxy Injection Resin	491.19 a & b				Approved Brand			
Erosion Control, Fertilizer	469.03	4169.03			Approved Source			If material suspect, DME will sample
Erosion Control, Fungicide		4169.05			Seed Manufacturing Recommendation			
Erosion Control, Inoculant		4169.04			Seed Manufacturing Recommendation			
Erosion Control, Jute Mesh		4169.10a			Visual Approval by RCE			
Erosion Control, Mulch		4169.08			Visual Approval by RCE			

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Erosion Control, Seed	469.02	4169.02			Certification	A		
Erosion Control, Silt Fence Fabric	496.01	4196.01			Approved Brand			
Erosion Control, Silt Fence Wire and Posts		Std Road Plan RC-16 Series			Visual Approval by RCE			
Erosion Control, Sod		4169.07			Visual Approval by RCE			
Erosion Control, Sod Stakes		4169.09			Visual Approval by RCE			
Erosion Control, Sticking Agent		4169.06			Seed Manufacturing Recommendation			
Erosion Control, Wire Staples		4169.10b			Visual Approval by RCE			
Erosion Control, Wood Excelsior Mat	469.10	4169.10c			Approved Manufacturer/Brand			
Expansion Device, Steel		4152.02			Approved Shop Drawing and Fabrication Report			
Expansion Tube		4191.01b			Visual Approval by RCE			
Fabric, Engineering	496.01	4196.01			Approved Brand			
Fasteners, Aluminum Structural	486	4190.02			Fabrication Report			
Fence, Barbed Wire		4154.04			Visual Approval by RCE			
Fence, Brace for Field Fence		4154.08			Visual Approval by RCE			
Fence, Tie and Tension Wire		4154.05			Visual Approval by RCE			
Fence, Chain Link Fabric	454.10	4154.03			Approved Source		M-Supplier	
Fence, Chain Link Fittings		4154.11			Visual Approval by RCE			
Fence, Chain Link Posts, Braces, and Rails	454.10	4154.10			Approved Source/ Certification		M-Supplier	

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Fence, Field Fence Fabric		4154.02			Visual Approval by RCE			
Fence, Gate		4154.12			Visual Approval by RCE			
Fence, Miscellaneous Hardware					Visual Approval by RCE			
Fence, Orange Mesh Safety	488.03	4188.03			Approved Brand			
Fence, Silt – See Erosion Control								
Fence, Staples		4154.06			Visual Approval by RCE			
Fence, Steel Line Posts		4154.09			Visual Approval by RCE			
Fence, Wood Fence Post	462	4154.07			Special Test by Approved Inspection Agency and Certification	D		
Fertilizer – See Erosion Control								
Fly Ash	491.17	4108	10 lbs.	DME	Approved Source/Certification	D	V-Project M-Source	Verification on Paving only
Galvanized Items		4100.07		DME	Test Report by District Materials			
GGBFS	491.14	41008			Approved Source/Certification	D	M-Source	
Grating (Aluminum)		4187.01a			Approved Shop Drawing and Fab. Report			
Grout, Hydraulic Cement	491.13a 491.13b				Approved Brand			
Grout, Polymer	491.11				Approved Brand			
Guardrail, Attenuators					As per Plan			
Guardrail, Box-beam Median Barrier		4155.06			Approved Shop Drawing and Fabrication Report			
Guardrail, Cable		4155.06	6 Ft	DME	Test Report by Central Lab			
Guardrail, Formed Steel Beam	455.02	4155.02			Approved Brand			



Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Guardrail, Steel Posts		4155.05			Mill Test Report	A		
Guardrail, Wood Posts	462	4155.04			Test Report by Approved Inspection Agency and Cert	D		4'x4' or greater, must be stamped on end
Iron Castings, Utility Access Covers, etc	453.04	4153.04			Certification & Proper Identification Imprint	A		
Iron Bridge Rockers		4153.04			Approved Shop Drawing & Fabrication Report			
Joint Filler, Flexible Foam – Type CF and EF Joints	436.05a 436.05b	4136.03b 4136.03d			Approved Brand			
Joint Filler, Type E Joint	436.03	4136.03a			Approved Brand			
Joint Filler, Bituminous Type	436.03	4136.03a			Approved Brand			
Joint Sealer for Concrete Sewer Pipes	491.09	4149.08			Approved Brand			
Joint Sealer, Elastomeric (Neoprene)	436.02	4136.0			Approved Brand			
Joint Sealer, Poured	436.01	4136.02a			Approved Brand			
Keyway		4191.01a			Visual Approval by RCE			
Lighting Material, Aluminum Poles	557	4185.02e			Approved Shop Drawing/Approved Source/Certification	D		
Lighting Material, Circuit Test		2523.21		Contr	Test Report (Contractor)			
Lighting Material, Connectors		4185.11			Approved Catalog Cut			
Lighting Material, Contactors		4185.05			Approved Catalog Cut			
Lighting Material, Control Cabinet		4185.07			Approved Shop Drawing and Catalog Cut			
Lighting Matl. Conduit & Fittings Plastic		4185.10	4' – Plastic	DME	Test Report			
Lighting Matl. Conduit & Fittings Steel	485.10	4185.10			Approved Brand			

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Lighting Material, Ground Rods and Clamps		4185.04	1 piece	DME	Test Report			
Lighting Material, Handholes	445	4185.08			Source Approval/DOT Stamp/Fabrication Report/ Certification	D	M-Source	
Lighting Material, Junction Boxes		4185.09			Approved Catalog Cut			
Lighting Material, Lighting Tower	557	2522.04			Approved Shop Drawing/Approved Source/Certification	D		
Lighting Material, Lowering Device		2522.06			Approved Shop Drawing and Fabrication Report			
Lighting Material, Luminaries		4185.03			Approved Catalog Cut			
Lighting Material, Photoelectric Control		4185.06			Approved Catalog Cut			
Lighting Material, Sealant for Traffic Loop Detectors	491.18				Approved Brand			
Lighting Material, Steel Poles	557	4185.02d			Approved Shop Drawing/Approved Source/Certification	D		
Lighting Material, Underground Warning Tape		2523.13			Visual Approval by RCE			
Lighting Material, Wire and Cable		4185.12	2 Ft	DME	Test Report and Approved Catalog Cut			
Lighting Material, Wood Poles	462	4185.02f			Test Report by Approved Inspection Agency and Certification	D		4'x4' or greater, must be stamped on end
Lighting Materials, Fasteners for Poles	453.09	4185.02a	1 Each Type	DME	Test Report and Approved Shop Drawing			
Lighting Materials, Mastarms	557	4185.02b			Approved Shop Drawing/Approved Source/Certification	D		

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Lighting Materials, Slip Base	557	4185.02			Approved Shop Drawing/Approved Source/Certification	D		
Lighting Materials, Transformer Base	557	4185.02c			Approved Shop Drawing/Approved Source/Certification	D		
Markers (reflective) for Guard Rail and Concrete Barrier Rail	486.08	4186.08			Approved Brand			
Markers, Raised Pavement	483.07	2527.02e			Approved Brand			
Mastarms – See Lighting Materials								
Paint, Epoxy Aluminum	482.04				Approved Brand			
Paint, Traffic – VOC Complaint Solvent Borne	483.03	4183.03			Approved Brand			
Paint, Traffic – Waterborne	483.03	4183.04			Approved Source		M-Subcontr.	
Paint, Waterborne Acrylic Finish (Bridge Paint)	482.05	4182.03			Approved Brand/Certification	D		
Paint, Zinc-Rich Epoxy	482.02	4182.02			Approved Brand/Certification	D		
Paint, Zinc-silicate Solvent Borne	482.02	4182.02			Approved Brand/Certification	D		
Paint, Zinc-Silicate Waterborne	482.05	4182.02			Approved Brand/Certification	D		
Patch Material, Rapid-Set Concrete	491.20				Approved Brand			
Pedestrian Bridge, Pre-Engineered	557				Approved Fabricator/Approved Shop Drawing			

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Piling, Concrete	570	4166			Approved Fabricator/DOT Stamp/Fabrication Report		M-Source	
Piling, Steel	467	4167			Approved Source/Mill Certification	A	M-Project	
Pipe, ABS Sewer/PVC	443 446	4146.04 4146.05			Approved Source/Certification	D	M-Source	
Pipe, Clay Sewer		4149.02a	2 Each	DME	Test Report			
Pipe, Concrete	445	4145			Approved Fabricator/Certification	D	M-Source	
Pipe, Corrugated Aluminized	441	4141			Approved Source/Certification			
Pipe, Corrugated Polyethylene 3-10 in.	443	4146.02 4143.02			Approved Source		M-Source	
Pipe, Corrugated Polyethylene 12-36 in.	446	4146.02			Approved Source/Certification	D	M-Source	
Pipe, Corrugated Steel	441	4141			Approved Fabricator/Certification	D	M-Fabricator	
Pipe, Ductile Iron Sewer		4149.02c			Certification	A		
Pipe, Polyethylene Sewer	443 446	4146.03			Approved Source/Certification	D	M-Source	
Pipe, Rodent Guard for PE pipe	443.01a	4143.01b			Approved Brand			
Pipe, Rodent Guard for CMP pipe	443.01b	4143.01b			Approved Brand			
Pipe, Concrete Subdrain Tile	448	4148			Approved Source /Certification	C	M-Source	
Pipe, Corrugated Metal Subdrain Outlet	441	4141			Approved Fabricator/Certification	D	M-Fabricator	
Pipe, Corrugated Polyethylene Subdrain	443	4143.01b			Approved Source		M-Source	
Pipe, Welded Steel for Bridge Rail (See Railing, Bridge)								

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Pipe, Horizontal Subdrain	443	4143.01a			Approved Source		M-Source	
Plant Material, Fertilizer	469.03	4170.09b			Approved Source			
Plant Material, Mulch	470	4170.09d		RCE	Field Review Report			
Plant Material, Plants	470	4170.01-4170.08		Roadside Develop.	Field Review Report			Report Issued –Rdside Devel
Portland Cement Concrete Premix Pack	447				Approved Source/Certification	C	M-Source	
Portland Cement, All Types	401	4101	10 Lbs.	DME	Approved Source/Certification	D	V-Project M-Source	
Railing, Bridge		4153.05			Approved Fabricator/Approved Shop Drawing/ Fabrication Report			
Reflective Sheeting – See Signing Material								
Release Agent	491.15				Approved Brand			
Sealant, Traffic Loop – See Lighting Material								
Seed – See Erosion Control								
Signing Material, Delineator Posts		4186.10c	1 Each Supplier	DME	Test Report			
Signing Material, Delineators	486.07	4186.07			Approved Brand		M-Project	
Signing Material, Finished Sign	486	4186			Fabrication Report/Approved Source/Certification	D	M-Source	
Signing Material, Fasteners		4186.06			Fabrication Report			
Signing Material, Reflective	486.03	4186.03			Approved Manufacture/Brand		M-Source	

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Signing Material, Sign Panels		4186.02			Approved Shop Drawing and Fabrication Report			
Signing Material, Sign Support Structures	557	4187			Approved Fabricator/Approved Shop Drawing/Fabrication Report			
Signing Material, Steel Posts		4186.10			Approved Shop Drawing and Fabrication Report			
Signing Material, Wood Posts	462	4186.10			Test Report by Inspection Agency and Certification	D		
Signing Material, Galvanized Items		4100.07			Test Report by District Materials			
Sod – See Erosion Control								
Steel Castings		4153.03			Approved Source/Catalog Cut			
Steel Masonry Plates		4152.02			Mill Certification	A		
Steel Pile, Welded		4153.05			Approved Shop Drawing & Fabrication Report			
Steel, Pins/Rollers, Cold Finished		4153.02			Approved Source/Catalog Cut			
Steel, Pins/Rollers, Forged		4153.01			Approved Source/Catalog Cut			
Steel Reinforcement, Basket Assemblies	451.03B	4151.02			Approved Source/Certification	D		
Steel Reinforcement, Epoxy-Coated	451.03b	4151.03b	6 Ft of Largest Size in Shipment	DME	Approved Source/Mill Certifications & Epoxy Certification/Test Report	A	M-Project	Test Sample should be 3' away from end of the bar.
Steel Reinforcement, Epoxy-Coated Tie Bars	451.03b	4151.02a	1 per Proj. per Year		Approved Source/Certification	D	M-Project	
Steel Reinforcement, Epoxy-Coated Dowels	451.03b	4151.02	1 per Proj. per Year		Approved Source/Certification	D	M-Project	
Steel Reinforcement	451	4151	1 per Proj of 45T or more	DME	Approved Source/Certification	A	V-Project	6' sample or largest size

Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Steel Reinforcement, Galvanized	451	4151.03a	3 Ft	DME	Mill Certifications & Test Report for Galvanizing	A	M-Project	
Steel Reinforcement, Uncoated	451	4151	*6 Ft. of Most Common	DME	Approved Source/Mill Certification	A	M-Project	*project Qty under 30 Tons Cert. Only, 30-100 Tons 1 sample, 100+ Tons 2 samples
Steel Reinforcement, Wire Mesh	451	4151.04		DME	Approved Supplier or Distributor/Certification	A	M-Supplier	
Steel Mechanical Splicers for Reinforcement	451				Approved Fabricator/Mill Certification/Epoxy Certification		M-Project	Need: Certification Statement, Project #, Quantity, Heat #
Steel, Structural	557,561 to 565	2408 4152			Approved Fabricator/Approved shop Drawing/Fabrication Report/Mill Certifications	A		
Step Irons for Utility Access		4149.06			Fabrication Report			
Structural Items, Other					Approved Shop Drawing and Fabrication Report			
Structural Plate (Arches)	444	4144	Visual	RCE	Approved Fabricator/Certification Statement	C		
Studs, Shear	453.10				Approved Source/Certification	A		
Surface Finish, Special	491.10	2403.21c			Approved Brand			
Tape, Pavement Marking	483.06	2527.02a			Approved Brand			
Torque Calibration Machine (skidmore)		2408.38c	Calibrate Every 6 Months	CTRL	Test Report			
Torque Wrench		2408.38c	Calibrate Every 6 Months	CTRL	Test Report			


Material	IM	Spec.	Sample Size	Sampled By	Basis of Acceptance	Cert. Type	Verification/ Monitor/ Assurance/ Correlation	Others Details
Water		4102	1 Qt per Source	DME	Test Report or City Water Supply			
Wire and Cable – See Lighting Material								
Wood, Hardware for Timber Structure	462	4153.07	1 Each Type		Test Report			
Wood, Timber Piles	462	4165			Test Report by Approved Inspection Agency and Certification	D		
Wood, Treated Posts	462	4164			Test Report by Approved Inspection Agency and Certification	D		
Wood, Treated Timber and Lumber	462	4162			Test Report by Approved Inspection Agency and Certification	D		
Wood, Untreated Timber and Lumber	462	4162			Test Report by Approved Inspection Agency and Certification	D		



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**GUIDE FOR THE ACCEPTANCE OF SMALL QUANTITIES OF MATERIALS**

<b>Material</b>	<b>Maximum Quantity</b>	<b>Specifications</b>	<b>Alternate Acceptance Method</b>
Beads, Glass	0.5 mi. application	<a href="#">4184</a>	Visual
Dowel Baskets, Epoxy-Coated	25		Visual & Field Check
Fly Ash	5 ton		Approved Source & Type
Hardware for Timber	100 lbs.	<a href="#">4153.07</a>	Visual
Joint Filler, Preformed	50 ft.	<a href="#">4136.03</a>	Visual & Dimension
Lighting Material - Conduit & Fittings	100 ft.	<a href="#">4185.10</a>	Visual & Brand Name
Paint, Bridge	5 gal.	<a href="#">4182</a>	Visual & Brand Name
Pipe, Welded Steel for Bridge Railing	100 ft.	<a href="#">4153.05</a>	Letter of Compliance



**ION OF USX CORPORATION**  
01.000.0772 (REV. 4/87)

**metallurgical**  
**Test Report**



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WORK ORDER NO. \_\_\_\_\_

**SOUTH WORKS**  
CHICAGO, ILL. 60617

**SKYLINE STEEL CORP**  
17 W 705-C BUTTERFIELD RD  
OAK BROOK IL 60181

P.O. DATE: **11/05/90** PURCHASE ORDER NO.: **640350**

SHIPPER'S NO.: **B89864 01 04 91** MILL ORDER NO.: **UM12235** INVOICE NO.: **187-097245**

MILL IDENTITY: **1658** IA 60296

BEING DULY SWORN ACCORDING TO LAW, DEPOSES AND SAYS PRODUCT DESCRIBED HEREIN WAS MFGD, SAMPLED, TESTED AND/OR INSPECTED IN ACCORDANCE WITH THE SPECIFICATION AND FULFILLS REQUIREMENTS IN SUCH RESPECTS

PREPARED BY THE OFFICE OF: J. J. HARRINGTON G A MGE

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

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SPEC. & INSP. H-PILES CARBON ASTM A36-B7

INSP. 01 MILL SWORN T/R

EXAMPLE: TYPE "A" CERT

BRF-13-2 (23) -- 38-26  
Delaware County  
Contract No 32280  
Guetaka Construction, Ltd

STATE OF INDIANA  
COUNTY OF LAKE

SUBSCRIBED AND SWORN TO BEFORE ME THIS 04TH DAY OF JANUARY A.D. 1991

NOTARY PUBLIC  
MY COMMISSION EXPIRES Feb 15, 1993

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ITEM NO.	MATERIAL DESCRIPTION			QUANTITY	WEIGHT	HEAT NO.	TEST OR PIECE IDENTITY	YIELD ST. KSI	TENSILE ST. KSI	ELONGATION %		% RED. OF AREA	BEN.
	THICKNESS OR SECTION	WIDTH, DIA. OR FT. WT.	LENGTH							IN 8"	IN 2"		
05	.4150	HP10X042	42'	07	12348	1R7508	294	49.7 49.3	72.0 72.5	21.0 27.0	40.0 48.0		
05	.4150	HP10X042	42'	06	10584	1R7509	252	33.5 31.5	71.5 73.0	27.0 26.0	48.0 48.0		
06	.4150	HP10X042	48'	08	16128	2R0055	384 930 L.F.	61.5 50.0	74.5 69.5	25.0 27.0	46.0 48.0		

"USS, A DIVISION OF USX, HEREBY CERTIFIES THAT ALL MANUFACTURING PROCESSES, INCLUDING MELTING, INVOLVED IN THE PRODUCTION OF USS STEEL MILL PRODUCTS OCCUR ENTIRELY IN THE UNITED STATES."

RESEND OF DATANNN

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HEAT NO.	TYPE	C	MN	P	S	SI	CU	NI	CR	MO	SN	AL	N	V	B	TI	CS	CO
1R7508	HEAT	21	078	009	030	035												
1R7509	HEAT	22	073	009	031	040												
2R0055	HEAT	18	057	008	028	039												

RESEND OF DATANNN



IP TO: PETIT CONSTRUCTION CO. DATE: 4/19/91  
BOX 428 PROJECT: IDA COUNTY L-901 (1)  
BATTLE CREEK, IA 51006 CONTRACTOR: \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

Material covered by this certification was manufactured to comply in full with the specifications of AASHTO M-167

Based on mill test results, it is certified that the listed materials have been tested and that the test results conform to the requirements of this specification.

IPMENT IDENTIFICATION: ORDER NUMBER: 17-9160  
 SALES NUMBER: 26-0770-00

ITEM NO.	QUANTITY	MATERIAL DESCRIPTION
001	1 PIPE	GALVANIZED MULTI-PLATE ROUND PIPE: 10 ga., 102 PL, 96' 0"
MANUFACTURED FROM THE FOLLOWING HEAT NUMBERS: 101A91A 149P90A 475A90A 2A91A 108A91A		
AVERAGE WEIGHT OF COATING: 3 OZ. MIN.		

EXAMPLE TYPE "C" CERT

PREPARED BY: Judy A. Frank  
 WINCHESTER PLANT

Matls. IM 204 Supplemental

## STRAIGHT BILL OF LADING - SHORT FORM

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of the Bill of Lading.

**CAUTION:**

BILL OF LADING NO.	
FREIGHT	111.71

14 December

4i

110 PORTLAND TYPE I

Gross Weight	79.2640m
Tare Weight	256.250m
Net Weight	53874.0
	26.87

UNCLASSIFIED  
DATE 06-18-2019 BY 60322 UCBAW/BJS/KSP

SIGNED \_\_\_\_\_  
TRAILER NO. \_\_\_\_\_

TEAMS IN LIAISON  
DRIVER: MILITARY

EXAMPLE:  
TYPE "D" CERT.

**EXTRA COPY**[illegible]

The drawing is not weight indicated on the bill of lading and correct, subject to verification by the  
WESTERN WIRE & CABLE CO. LTD. According to Agreement.

The material has been described and has been manufactured in the United States, has been domestically produced raw materials and has been marketed and tested as prescribed by the Highway Division of the State Department of Transportation and conforms with the applicable specification requirements.

**Answer:** **False**

CONSIGNEE'S  
SIGNATURE

4626448

**SOLD TO:**

121

**AMES MINE**

**(515) 232-3363**

PROD. NO.	DESCRIPTION	CUST. NO.	P.O. NO.	QTY.	UNIT PRICE	TOTAL
0816	1/2 TYPE A	524504		507		

CASH FLOW	
MAINT RAIL \$	RM
TAX \$	
RAIL \$	RM
TOTAL \$	ANNUAL NET B.

LOADS TODAY:	82
QUANTITY TODAY:	1755.98
QUANTITY TO DATE:	3448.96

STATE SECRETARY OF AGRICULTURE CERTIFIED. EFFECTIVE  
CaCO<sub>3</sub> EQUIVALENT PER TON OF AGGREGATE \_\_\_\_\_ LBS.

DRIVER

**CUSTOMER**

## EXAMPLE.

TYPE "D" CERT

**CERTIFICATION BELOW VALID ONLY**

**WITH AUTHORIZED SIGNATURE.**

**THIS IS TO CERTIFY THAT THE**

**MATERIAL, HEREIN DESCRIBED**

**MEETS THE APP. CONTRACT**

## SPECIFICATIONS & REQUIREMENTS

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